| <b>E</b> \   | •   |   |
|--|---|---|
|  |   | PTO/8B/2  |
| 2004 'S  |   | Approved for use through 07/31/2006. OMB 06<br>tent and Trademark Office; U.S. DEPARTMENT OF COM<br>ction of information unless it displays a valid OMB control |
|  | Application Number                                    | 10/646,293  |
| TRANSMITTAL  | Filing Date   | 08/22/2003  |
| FORM   | First Named Inventor                                  | George D. Davis   |
| fto be used for all correspondence after initial filin | g) Art Unit   | 2835  |
|  | Examiner Name   | Anatoly Vortman   |
| Total Number of Pages in This Submission               | 15 Attorney Docket Number                             | .H0001553 C1  |
|  | ENCLOSURES (Check all the                             | nat apply)  |
| X Fee Transmittal Form .                               | Drawing(s)  | After Allowance communication to Technology Center (TC)   |
| X Fee Attached   | Licensing-related Papers                              | Appeal Communication to Boar of Appeals and Interferences   |
| X Amendment/Reply                                      | Petition  | Appeal Communication to TC (Appeal Notice, Brief, Reply Brief)  |
|  | Petition to Convert to a                              | Proprietary Information   |
| After Final  | Provisional Application Power of Attorney, Revocation |   |
| Affidavits/declaration(s)                              | Change of Correspondence Ad                           | I   |
| X Extension of Time Request                            | Terminal Disclaimer                                   | Other Endosure(s) (please Identify below):  |
| l — \ \ \ \  | Request for Refund                                    | 2 Postcards   |
| Express Abandonment Request                            | =   | 2 / 00104140  |
| Information Disclosure Statement                       | CD, Number of CD(s)                                   |   |
| Certified Copy of Priority                             | Remarks   |   |
| Document(s)  |   |   |
| Response to Missing Parts/                             |   |   |
| Incomplete Application                                 |   |   |
| Response to Missing Parts                              |   |   |
| under 37 CFR 1.52 or 1.53                              |   |   |
| ]  |   |   |
|  | JRE OF APPLICANT, ATTOR                               | NEY, OR AGENT   |
| or Charles J. Rupni                                    | ck (Reg. No.: 43,068)                                 |   |
| Signature ///www.                                      | 17/1/1  |   |
| Date July 26, 2004                                     | P   |   |
| (CEF   | RTIFICATE OF TRANSMISSION                             | DN/MAILING  |
| I hereby certify that this correspondence is being     | ng facsimile transmitted to the USPTO                 | or deposited with the United States Postal Service<br>Patents, P.O. Box 1450, Alexandria, VA 22313-145  |
| Typed or printed name Charles J. f                     | Rupnick   |   |
| L l  |   |   |

This collection of information is required by 37 CFR 15/The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentially is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to 2 hours to complete, including gethering, preparing, and submitting the completed application form to the USPTO. Time will very depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

PTO/SB/17 (01-03)
Approved for use through 04/30/2003. OM9 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
no persons are required to respond to a collection of information unless it displays a valid OMB control number.

## NSMITTAL for FY 2003

Effective 01/01/2003. Patent fees are subject to annual revision.

Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT

| / de 1 | 1   | 10 |
|--------|-----|----|
| (\$)   | - 1 | 10 |

| Complete if Known    |                 |   |  |
|----------------------|-----------------|---|--|
| Application Number   | 10/646,293      |   |  |
| Filing Date          | August 22, 2003 |   |  |
| First Named Inventor | George D. Davis |   |  |
| Examiner Name        | Anatoly Vortman |   |  |
| Art Unit             | 2835            |   |  |
| Attorney Docket No.  | H0001553 C1     | 7 |  |

| Check   Credit card   | METHOD OF PAYMENT (check all that apply)                             |       | FEE CALCULATION (continued) |          |          |   |          |
|---|--|-------|-----------------------------|----------|----------|---|----------|
| Deposit Account:  | Check X Credit card Money Other None                                 |       | 3. ADDITIONAL FEES          |          |          |   |          |
| Code   Second   Sec    |  |       | Large Entity   Small Entity |          |          |   |          |
| 165   130   2001   205    |  |       |                             |          |          | Fee Description                               | Con Daid |
| Disposition   Account       | Account  |       |                             |          |          | Surcharge - late filing fee or oath           | ree Paro |
| Tign Commissioner is authorized to: (check all that apply)   1053   130   1054   1300   1255   1255      | Deposit  | 1052  |                             |          |          | •   |          |
| The Commissioner is authorized to: (check all the apply)  |  |       |                             |          |          |   | 1        |
| Charge any additional fee(s) uning fee pendency of this application   1804   920*   1804   920*   1804   920*   1804   920*   1804   920*   1805   1.840*       |  |       |                             |          |          |   |          |
| Charge fee(s) indicated below, except for the filling fee   1805 1,840*   1805 1,840    | Charge fee(s) indicated below Credit any overpayments                |       |                             |          | •        | • •   |          |
| Total Claims  | Charge any additional fee(s) during the pendency of this application | 1004  | 920                         | 1004     | 920      |   |          |
| 1. BASIC FILING FEE   Large Entity   Small Entity   1. See Fee   1. See From   1. Se    |  | 1805  | 1,840*                      | 1805     | 1,840*   |   |          |
| 1. BASIC FILING FEE   Large Entity   Small Entity   Fee       |  | 1251  | 110                         | 2251     | 55       |   | 110      |
| 1. BASIC FILING FEE   1278   1283   930   2253   465   Extension for reply within third month   1284   1,450    |  |       |                             |          |          | , ,   | 110      |
| Page   Face       |  |       |                             |          | 465      | Extension for reply within third month        |          |
| 1001 750   2001 375   Utility filing fee   1255 1,970   2255 985   Extension for reply within fifth month   1401 320   2401 160   Notice of Appeal   1401 320   2402 160   1401 320   140    | Fee Fee Fee Fee Description Fee Paid                                 |       |                             |          |          | • •   |          |
| 1002 330    2002 165    Design filing fee   |  | 1255  | 1.970                       | 2255     | 985      | • •   |          |
| 1003 620   2003 260   Plant filing fee   1402 320   2402 160   Filing a brief in support of an appeal   1403 280 2403 140   Request for oral hearing   1405 1510   1451 1.510   1451 1.510   Petition to institute a public use proceeding   1452 110 2452 55   Petition to revive - unavoidable   1453 1.300 2453   650   Petition to revive - unavoidable   1453 1.300 2453   650   Petition to revive - unavoidable   1453 1.300 2453   1455   1455 1.510   1451 1.510     |  |       | •                           |          |          | •   | ]        |
| 1004 750   2004 375   Reissue filing fee   1403 280   2403 140 Request for oral hearing   1451 1,510 Petition to institute a public use proceeding   1451 1,510 Petition to revive - unavoidable   1452 110   2452 55 Petition to revive - unavoidable   1453 1,300   2453 650 Petition to revive - unintentional   1453 1,300   2453 650 Petition to revive - unintentional   1501 1,300   2501 650 Utility issue fee (or reissue)   1502 470   2502 235 Design issue fee   1503 630   2503 315 Plant issue fee   1503 630   2503 315 Plant issue fee   1503 630   1460 130       |  |       |                             |          |          | • •   |          |
| SUBTOTAL (1) (\$)  2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE Independent  |  |       |                             |          |          | •       |          |
| SUBTOTAL (1) (\$) 1452 110 2452 55 Petition to revive - unavoidable  2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE Fee from helow Fee Paid 1501 1,300 2501 650 Utility issue fee (or reissue)  Extra Claims   | · · · · · · · · · · · · · · · · · · ·                                | 1451  | 1,510                       | 1451     | 1,510    | Petition to institute a public use proceeding |          |
| 2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE    Extra Claims   |  | 1452  | 110                         | 2452     |          | · · · · · · · · · · · · · · · · · · ·         |          |
| Total Claims  |  | 1453  | 1,300                       | 2453     | 650      | Petition to revive - unintentional            |          |
| Total Claims  |  | 1501  | 1,300                       | 2501     | 650      | Utility issue fee (or reissue)                |          |
| Independent   | Extra Claims below Fee Paid  | 1502  | 470                         | 2502     | 235      | Design issue fee                              |          |
| Claims  | Independent  |       | 630                         | 2503     | 315      | Plant issue fee                               |          |
| 1807   50   1807   50   1807   50   Processing fee under 37 CFR 1.17(q)   | Claims - 3*** =  | 1460  | 130                         | 1460     | 130      | Petitions to the Commissioner                 |          |
| Fee Fee Code (\$)  1202 18  1202 9 Claims in excess of 20  1201 84  1203 280  1204 84  1204 84  1205 18  1206 89  1206 89  1207 9 Claims in excess of 30  1208 9 Claims in excess of 30  1209 1209 1209 1209 1209 1209 1209 1209  |  | 1807  | 50                          | 1807     | 50       | Processing fee under 37 CFR 1.17(q)           |          |
| Code (\$)   Code (\$)   Code (\$)   8021   40   8021   40   Recording each patent assignment per property (times number of properties)   1202   18   2202   9   Claims in excess of 20   1809   750   2809   375   Filing a submission after final rejection (37 CFR 1.129(a))   1203   280   2203   140   Multiple dependent claim, if not paid   1810   760   2810   375   For each additional invention to be examined (37 CFR 1.129(b))   1804   750   1805   1 |  | 1806  | 180                         | 1806     |          |   |          |
| 1201   84   2201   42   Independent claims in excess of 3   1809   750   2809   375   Filing a submission after final rejection (37 CFR 1.129(a))   1809   750   2809   375   Filing a submission after final rejection (37 CFR 1.129(a))   1809   750   2809   375   For each additional invention to be examined (37 CFR 1.129(b))   1801   750   2801   375   Request for Continued Examination (RCE)   1801   750   1802   900   900   900   900   900   900   900   900   900   900   900   900   900   900   900   900      | Code (\$) Code (\$)  | 8021  | 40                          | 8021     | 40       | Recording each patent assignment per          |          |
| 1203 280   2203 140 Multiple dependent claim, if not paid   1810 750   2810 375 For each additional invention to be examined (37 CFR 1.129(b))   1204 84   2204 42 ** Reissue independent claims over original patent   1801 750   2801 375 Request for Continued Examination (RCE)   1802 900 Request for expedited examination of a design application   Other fee (specify)  | TEGE 10 EEGE 0   | 1809  | 750                         | 2809     | 375      |   |          |
| 1204 84 2204 42 ** Reissue independent claims over original patent 1801 750 2801 375 Request for Continued Examination (RCE)  1205 18 2205 9 ** Reissue claims in excess of 20 and over original patent 1802 900 1802 900 Request for expedited examination of a design application 1802 900 Request for expedited examination of a design application 1802 900 Request for expedited examination (RCE)   |  |       |                             |          |          | ` "   | <u> </u> |
| 1204 84 2204 42 Resiste independent claims over original patent 1801 750 2801 375 Request for Continued Examination (RCE)  1205 18 2205 9 ** Reissue claims in excess of 20 and over original patent 1802 900 1802 900 Request for expedited examination of a design application 1802 900 Request for expedited examination of a design application 1802 900 Request for expedited examination of a design application 1802 900 Request for expedited examination (RCE)   |  | 1810  | 760                         | 2810     | 375      |   |          |
| 1205 18 2205 9 ** Reissue claims in excess of 20 and over original patent 1802 900 1802 900 Request for expedited examination of a design application   |  | 1801  | 750                         | 2801     | 375      |   |          |
| Other fee (specify)   | 1205 18 2205 9 ** Reissue claims in excess of 20                     |       |                             |          |          | Request for expedited exemination             |          |
|   |  |       | fee (sp                     | ecify) _ |          |   |          |
| SUBTOTAL (2) (\$)  **or number previously paid, if greater, For Reissues, see above Reduced by Basic Filing Fee Paid SUBTOTAL (3) (\$)  | · · · · · · · · · · · · · · · · · · ·                                | *Redu | ced by                      | Basic F  | Filing F | ee Paid SUBTOTAL (3) (\$)                     | 110      |

SUBMITTED BY (Complete (if applicable) Registration No. Charles J. Rupnick 43,068 Telephone 206-439-7956 Name (Print/Type) (Attomey/Agent) July 26, 2004 Date Signature

> WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.



## **CERTIFICATE OF MAILING**

Date of Deposit: July 26, 2004

I hereby certify that this paper or fee is being deposited with the United States Postal Service under 37 CFR § 1.8 with sufficient postage as First Class mail on the date indicated above in an envelope addressed to:

Commissioner for Patents

PO Box 1450

Alexandria, VA 22313-1450.

Charles J. Rupnick

(Typet) or printed name of person mailing)

(Signature of Person Mailing)

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Serial No.

10/646,293

Confirmation No.:

9400

Inventor(s)

George D. Davis, et al.

Filed

August 22, 2003

TC/A.U.

2835

Examiner

Anatoly Vortman

Docket No.

H0001553 C1

Customer No.:

00128

Mail Stop: Fee Amendment Commissioner for Patents PO Box 1450 Alexandria, VA 22313-1450

## Response to Official Action Under 37 C.F.R. § 1.111

Sir:

The Applicant hereby petitions under 37 CFR § 1.136(a) for an extension of time of one (1) month to July 25, 2004, for responding to the Office Action referenced herein.

In response to the Office Action dated March 25, 2004, please amend the above-identified application as follows:

Amendments to the Claims begin on page 2 of this paper.

Remarks/Arguments begin on page 5 of this paper.